M. A. R. 57 (Rule 116) **No. D**

Measurement Book

Serial No. II and Final bill

57627

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of work: Construction of General public Toilet in malla - Sandra Colony school in ward NO-13 mallasandra in Shettihally Sub-division.						
	Job Code : 013-19-000013						
	AS NO : EE/DD/AS/89/2018-19 dt-18-12-2018.						
	TS NO: EE/DD/TS/77/2018-19 dt-18-12-2018.						
	Work order: EE/DD/WO/340/2018-19 dt-21-2-2019.						
	Agency : Muniraj Naik.						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	① Earth work Excavation for foundation of building, water Sanitary lines and electrical Conduits either in pits or in trenches 1.5 m and above in width in hard Soil etc - Complete as per Specification.						
	previous qty all ready paid in						
	P - 489/46 of MB - 4892/16-17					= 234.06 m^3.	
	present qty						
	Excavation for foundation of building —	1	15.85	11.60	4.25	= 781.41 m^3	
	Column foundation —	8	2.0	1.60	2.10	= 53.76 m^3	
	Wall foundation —	6	3.25	1.10	1.05	= 22.52 m^3	

M. A. R. 57 (Rule 116) No. D

Measurement Book

57628

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Wall foundation —	4	3.55	1.10	1.05	= 16.40 m^3	
	—	2	1.50	1.10	1.05	= 3.47 m^3.	
					Total	= 1111.61 m^3	
	a) up to 125%					= 303.78 m^3	
	@ Rs = 350/m^3					= 106323-00	
	b) Above 125%					= 807.83 m^3.	
	@ Rs = 648.66/m^3					= 523522.31	

10/6/19

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(2) providing and laying in position plain cement concrete of Mix 1:3:6 with opc cement @ 220 kgs with 40mm and down size graded granite metal coarse aggregate @ 0.892 cum and fine aggregate @ 0.465 cum etc. complete as per Specification						
	previous qty all ready paid in P- 489127 of MB-4892/16-17					= 22.37 m^3	
	present qty						
	PCC for Floor Hall	1	5.70	3.30	0.15	= 2.82 m^3	
	Gents Toilet	1	3.30	2.75	0.15	= 2.68 m^3	
	Ladies Toilet	1	3.30	2.75	0.15	= 2.68 m^3	
	Column foundation	5	2.0	1.60	0.15	= 3.84 m^3	

M. A. R. 57 (Rule 116) No. D 57629

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	C.C. bed for wall foundation	6	4.30	1.0	0.15	= 3.87 m^3	
	" wall	4	4.90	3.0	0.15	= 2.94 m^3	
	"	2	3.30	1.0	0.15	= 0.69 m^3	
	flooring	3	7.75	4.30	0.15	= 15.10 m^3	
		1	5.75	2.30	0.15	= 1.98 m^3	
					Total	= 50.69 m^3	
					125%	= 48.19 m^3	
						@ Rs = 6200/m^3 =	304978-00
					125%	= 1.50 m^3	
						@ Rs = 6254.64/m^3 =	9381.92

14/6/19

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(3) providing and Constructing granite / basalt / Size Stone masonry in foundation with Cement mortar 1:6 Stones hammered dressed in Courses not less than 20 cm high bond Stones at 2 mtr apart etc complete as per Specification						
	previous qty all ready paid in P-48 9129 of MB-4892/16-17					= 38.59 m^3	
	present qty						
	Long wall —	6	4.30	0.75	0.45	= 8.71 m^3	
	—	4	4.90	0.75	0.45	= 6.62 m^3	
	—	3	2.30	0.75	0.45	= 2.33 m^3	
	—	6	4.30	0.60	0.45	= 6.97 m^3	

M. A. R. 57 (Rule 116) No. D

Measurement Book

57630

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	—	4	4.90	0.60	0.45	= 5.29 m^3	
	—	3	2.30	0.60	0.45	= 1.86 m^3	
					Total =	70.36 m^3	
	Add 25% ಹೆಚ್ಚುವರಿ ಪರಿಮಾಣವನ್ನು ಪರಿಗಣಿಸಲು ಅನುಮತಿ ಇದೆ. ಅಧಿಕಾರಿಯ ಪೂರ್ಣ ಹೆಸರು ಮತ್ತು ಹುದ್ದೆಯ ಪದನಾಮ ಮತ್ತು ದಿನಾಂಕ.						
	i) Upto 125%					= 60.98 m^3	
						@ Rs = 550/m^3 =	33531 90 - 0
	ii) above 125%					= 9.78 m^3	
						@ Rs = 5543.50/m^3 =	5421 5.43
(4)	providing and Constructing granite / trap / basalt size Stone masonry in foundation with Cement mortar 1:6 ages of						

18/6/19

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Stone chisted dressed in courses not less than 15 cm high etc complete as per specification.						
	previous qty all ready paid in p-489130 of MB-4892/16-17 = 15.22 m^3						
	present qty.						
	Shut wall = 5 x 3.85 x 0.45 x 0.45					= 3.90 m^3	
	Toilet walls = 2 x 5.25 x 0.30 x 0.45					= 1.42 m^3	
						= 1.42 m^3	
	Shut wall = 2 x 2.75 x 0.30 x 0.45					= 0.61 m^3	
						= 0.61 m^3	
					Total =	21.77 m^3	

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Measurement Book

57631

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	a) up to 125 % = 19.03 m^3 @ Rs = 5600/m^3 = 106568-00						
	125 % = 2.74 m^3 @ Rs = 6602.62/m^3 = 18082.93						
	providing ruled pointing to Coursed Stone masonry with Cement mortar 1:3 20 mm deep etc-complete as per specification.						
	previous qty all ready paid in p-489131 of MB-4892/16-17						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	present qty — NIL						
(6)	Filling available excavated earth (excluding rock) in sides of foundations up to plinth in layers not exceeding 20 cms in depth Compacting each deposited layers etc. complete as per specification						
	previous qty all ready paid in p-489132 of MB-4892/16-17 = 187.24 m^3.						
	present qty						
	— 3 x 7.25 x 4.30 x 0.45 = 44.99 m^3						
	— 12 x 5.25 x 2.30 x 0.45 = 5.95 m^3						

M. A. R. 57 (Rule 116) No. D

Measurement Book

57632

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
					Total = 238.18 m^3.		
	@ Rs = 150/m^3 = 35727-00						
(7)	providing and laying in position reinforced cement Concrete Cum of Design mix M-25 with OPC Cement 340 kgs with with 20mm and down size graded granite metal Coarse aggregates etc. Complete.						
	previous qty all ready paid in p-489132 of MB-4892/16-17 = 27.00 m^3.						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	present qty						
	Column footing —	8	x 1.80	x 1.50	x 0.75	= 16.20 m^3	
	Column reduced up to plinth —	8	x 0.80	x 0.30	x 1.20	= 2.30 m^3	
	plinth for L/w —	2	x 15.90	x 0.20	x 0.45	= 2.86 m^3	
	S/w —	4	x 6.10	x 0.20	x 0.45	= 2.20 m^3	
	At Stair Case —	1	x 3.30	x 0.20	x 0.45	= 0.21 m^3	
	Column up to		x 0.60	x 0.20	x 3.10	= 2.98 m^3	
		3	x 13.60	x 0.20	x 0.30	= 2.45 m^3	
	—	4	x 5.70	x 0.20	x 0.30	= 1.37 m^3	

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Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	—	1	x 2.30	x 0.20	x 0.30	= 0.14 m^3	
	—	4	x 1.50	x 0.20	x 0.30	= 0.36 m^3	
	Roof —	1	x 7.60	x 13.60	x 0.15	= 15.50 m^3	
	—	1	x 3.70	x 2.30	x 0.15	= 1.28 m^3	
	Stair case landing —	1	x 2.30	x 2.30	x 0.15	= 0.40 m^3	
	b.c.w —	1	x 0.20	x 0.20	x 0.30	= 0.11 m^3	
	—	1	x 1.05	x 2.05	x 0.15	= 0.80 m^3	
	—	1	x 3.30	x 1.05	x 0.15	= 0.52 m^3	
	Steps —	11	x 1.05	x 0.15	x 0.15	= 0.43 m^3	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
					Total =	103.99 m^3	
					@ Rs = 7600/m^3 =	790340.15	24/6/14
	Providing and laying in position reinforced Cement Concrete 1:1½:3 mix x m-20 ope Cement @ 24kgs with 12 mm and down size graded granite metal Coarse aggregate etc complete as per specification						
	previous qty all ready paid in p-48 page 134 of MB-4892/16-17 = 9.06 m^2						

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Measurement Book

57634

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	present qty						
	Chajja –	1	29.02	0.60	= 5.40 m^2		
					Total =	14.46 m^2	
	a) Up to 12.5% =	14.18 m^2	@ Rs2		550/m^2 =	7799.0	
	b) above 12.5% =	0.79 m^2	@ Rs =	529.88/m^2 =		153.67	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(9)	providing T.M.T. steel reinforcement for R.C.C. work including Straightening, cutting, bending, hooking, placing in position, lapping / or welding wherever required tying with binding wire and anchoring etc complete as per specification.						
	Previous qty all ready paid in p-489128 of MB-4892/16-17					= 5.80 Tonns	
	present qty As per pre-measurements vide p-57658 of TMB					= 4.40 Tonns	
					Total=	10.20 Tonnes	

TR-13

M. A. R. 57 (Rule 116) No. D
Measurement Book

57635

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	a) up to 12.5% =	2.11	H8-B0 T	62000 Rs 2 4750/T		= 50 277 50	
	b) above 12.5% =	2.11	H8-B0 T	Rs 2 85457.-8		= 14 705 17	
							180314.80
(10)	providing and removing Centering, shuttering, Strutting propping. etc. and removal of form work for columns etc. complete as per specification.						
	previous qty all ready paid in p-489128 of MB-4897/16-17					= 94.64 m²	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	present qty = 50.42 m^2 (As per pre-measurts)						
	Total = 145.08 m^2						
	a) up to 120% = 118.30 m^2 @ Rs = 425/m^2 = 50277.50						
	b) above 125% = 26.78 m^2 @ Rs = 549.11/m^2 = 14705.17						
(11)	providing and removing centering, shuttering, strutting, propping etc. and removal of form work for Sides & Soffits beams, etc. Complete as per specification.						
	previous qty all ready paid in MB-4892/16-17 = 158.05 m^2						

M. A. R. 57 (Rule 116) No. D
Measurement Book

57636

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	present qty As per pre-measurts = 264.03 m^2						
	Total = 422.08 m^2						
	a) up to 125% = 197.88 m^2 @ Rs = 300/m^2 = 59268-0						
	b) Above 125% = 224.31 − 51 = 173.2 m^2 @ Rs = 351.62/m^2 = 78942.24						
(12)	providing and removing centering, shuttering, strutting,						

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